

flame-retardant composition after first being dispersed in a polymer material.

7. Process according to any one of the preceding
5 claims, in which the flame-retardant composition is extruded at a predetermined temperature which depends on the extrusion rate to be obtained.

8. Process according to Claim 7, in which the
10 flame-retardant composition is extruded at a temperature of between 160°C and 320°C.

9. Process according to Claim 8, in which the
15 flame-retardant composition is extruded at a temperature of between 200°C and 280°C.

10. Process according to any one of the preceding
claims, in which the dehydrating agent is chosen from:
calcium oxide, calcium chloride, anhydrous alumina,
20 zeolites, magnesium sulphate, magnesium oxide, barium oxide, and the like, or mixtures thereof.

11. Process according to Claim 10, in which the
dehydrating agent is chosen from: calcium oxide and
25 zeolites, or mixtures thereof.

12. Process according to any one of the preceding
claims, in which the dehydrating agent is added to the
flame-retardant composition in an amount of between 0.5
30 and 15 % by weight relative to the weight of the flame-retardant filler.

13. Process according to Claim 12, in which the
dehydrating agent is added to the flame-retardant
composition in an amount of between 1 and 10 % by weight
35 relative to the weight of the flame-retardant filler.

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14. Process according to any one of the preceding claims, in which the flame-retardant filler is chosen from: hydroxides, hydrated oxides, salts or hydrated salts of metals.

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15. Process according to Claim 14, in which the flame-retardant filler is chosen from: magnesium hydroxide, alumina trihydrate, hydrated magnesium carbonate, magnesium carbonate, hydrated calcium and magnesium carbonate, calcium and magnesium carbonate, or mixtures thereof.

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16. Process according to Claim 15, in which the flame-retardant filler is magnesium hydroxide.

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17. Process according to Claim 15, in which the flame-retardant filler is magnesium hydroxide of natural origin.

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18. Flame-retardant composition comprising a polymer base and an inorganic flame-retardant filler, characterized in that it also comprises a dehydrating agent.

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19. Composition according to Claim 18, in which the dehydrating agent is chosen from: calcium oxide, calcium chloride, anhydrous alumina, zeolites, magnesium sulphate, magnesium oxide, barium oxide, and the like, or mixtures thereof.

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20. Composition according to Claim 19, in which the dehydrating agent is chosen from: calcium oxide and zeolites, or mixtures thereof.

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21. Composition according to any one of Claims 18 to 20, in which the dehydrating agent is present in an

amount of between 0.5 and 15 % by weight relative to the weight of the flame-retardant filler.

22. Composition according to Claim 21, in which the
5 dehydrating agent is present in an amount of between 1 and 10 % by weight relative to the weight of the flame-retardant filler.

23. Composition according to any one of Claims 18 to
10 22, in which the flame-retardant filler is chosen from: hydroxides, hydrated oxides, salts or hydrated salts of metals.

24. Composition according to Claim 23, in which the
15 flame-retardant filler is chosen from: magnesium hydroxide, alumina trihydrate, hydrated magnesium carbonate, magnesium carbonate, hydrated calcium and magnesium carbonate, calcium and magnesium carbonate, or mixtures thereof.

20 25. Composition according to Claim 24, in which the flame-retardant filler is magnesium hydroxide.

26. Composition according to Claim 25, in which the
25 flame-retardant filler is magnesium hydroxide of natural origin.

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